

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1-24. (canceled).

25. (currently amended): A metal laminate comprising between two outer metal sheets an adhesive polymer layer, characterised in that the adhesive polymer layer comprises cross-linked polyethylene or a copolymer thereof, ~~co-grafted simultaneously grafted~~
- _____ with 0.1 to 2% by weight of the polymer composition of a silane compound and
- _____ with 0.5 to 1.5% by weight of the polymer composition of an unsaturated carboxylic acid and/or a derivative thereof.

26. (previously presented): Metal laminate according to claim 25, wherein the surface of the first outer metal sheet is greater than the surface of the second outer metal sheet.

27. (currently amended): Metal laminate according to claim 25, wherein the outer metal sheets are made of a metal chosen from the group consisting in steel and ~~aluminum~~aluminum.

28. (previously presented): Metal laminate according to claim 25, wherein the adhesive polymer layer comprises more than 50 % in weight of cross-linked grafted polyethylene.

29. (previously presented): Metal laminate according to claim 28, wherein the adhesive polymer layer comprises 80 to 95 % in weight of cross-linked grafted polyethylene.

30. (previously presented): Metal laminate according to claim 25, wherein the cross-linked polyethylene is grafted with an unsaturated carboxylic acid containing 1 to 6 carboxylic groups and/or a derivative thereof.

31. (previously presented): Metal laminate according to claim 30, wherein the cross-linked polyethylene is grafted with maleic acid and/or a derivative thereof.

32. (previously presented): Metal laminate according to claim 31, wherein the cross-linked polyethylene is grafted with maleic acid anhydride.

33. (previously presented): Metal laminate according to claim 25, wherein the adhesive polymer layer comprises 0 to 80 % in weight of high-density polyethylene.

34. (previously presented): Metal laminate according to claim 33, wherein the adhesive polymer layer comprises 50 to 80 % in weight of high-density polyethylene.

35. (previously presented): Metal laminate according to claim 25, wherein the adhesive polymer layer comprises 20 to 95 % in weight of elastomer.

36. (previously presented): Metal laminate according to claim 35, wherein the adhesive polymer layer comprises 20 to 45 % in weight of elastomer.

37. (previously presented): Metal laminate according to claim 25, wherein the adhesive polymer layer also comprises 0.5 to 10 % in weight of a copolymer of styrene and an unsaturated carboxylic acid and/or a derivative thereof.

38. (previously presented): Metal laminate according to claim 37, wherein the adhesive polymer layer comprises a styrene- maleic acid anhydride copolymer.

39. (previously presented): Metal laminate according to claim 25, wherein the adhesive polymer layer further comprises 0.1 to 5 % in weight of an epoxy resin.

40. (previously presented): Metal laminate according to claim 25, wherein the organosilane compound is chosen from the group consisting of vinylalcoxysilanes, dialcoxysilanes, trialcoxysilanes and tetraalcoxysilanes.

41. (previously presented): Metal laminate according to claim 25, wherein the adhesive polymer layer further comprises a flame retardant agent.

42. (previously presented): Metal laminate according to claim 25, wherein the adhesive polymer has a gel content of at least 15 % in weight.

43. (previously presented): Metal laminate according to claim 42, wherein the adhesive polymer has a gel content of at least 30 % in weight.

44. (previously presented): Metal laminate according to claim 25, wherein the polymer layer comprises an intermediate layer of cross-linked non-grafted polyethylene.

45. (previously presented): Process for the manufacture of a metal laminate according to claim 25 comprising the steps consisting in :

- a. Providing a first and a second metal sheet;
- b. Applying a polymer composition comprising cross-linked polyethylene or a copolymer thereof, co-grafted with a silane compound and with an unsaturated carboxylic acid and/or a derivative thereof onto the first metal sheet;
- c. Applying the second metal sheet onto the polymer layer applied onto the first metal sheet to obtain a metal laminate; and
- d. Heating the metal laminate to complete the adhesion.

46. (previously presented): Process according to claim 45, wherein the polymer composition is previously extruded to form a polymer film.

47. (previously presented): Process according to claim 45, wherein the polymer film is directly extruded onto the first metal sheet.

48. (previously presented): Automotive body part comprising the metal laminate according to claim 25.